

Claims

1. A device for cleaning a powder coating booth,
with a first air distribution batten that is provided
5 for the floor of the powder coating booth,
with a second air distribution batten that is pro-
vided for a side of the powder coating booth,
with a suction channel provided with a suction slot
to suck excess powder out of the booth, wherein the
10 fist and the second air distribution batten are pro-
vided to blow excess powder in the direction of the
suction slot.
2. A device in accordance with claim 1,
15 with a third air distribution batten that is provided
for a second side of the powder coating booth, and
with a second suction channel provided with a suction
slot,
wherein the third air distribution batten is provided
20 to blow excess powder in the direction of the suction
slot of the second suction channel.
3. A device in accordance with claim 1,
wherein the first and/or the second and/or the third
25 air distribution batten consist of several batten
subsections, through each of which air can be blown
out independently of the others.
4. A device in accordance with claim 3,
30 with a control, by means of which the batten subsec-
tions can be individually controlled.

5. A device in accordance with claim 3,
wherein two batten subsections lying opposite each
other are always operated by means of a single valve.

5 6. A device in accordance with claim 1,
wherein the first and/or the second and/or the third
air distribution batten are provided with several
nozzles that are arranged in such a manner that the
airstream produced by the nozzles is substantially
10 oriented at right angles to the longitudinal axis of
the air distribution batten.

15 7. A device in accordance with claim 6,
wherein the nozzles of the first air distribution
batten are arranged in such a manner that the air-
stream that can be produced by the nozzles is sub-
stantially oriented parallel to the floor.

20 8. A device in accordance with claim 1,
wherein the first air distribution batten is provided
with nozzles on both sides of its longitudinal axis.

25 9. A device in accordance with claim 1,
wherein the first and/or the second and/or the third
air distribution batten are provided with nozzles ar-
ranged in groups.

30 10. A device in accordance with claim 1,
with a container for a reserve supply of compressed
air that is connected with the air distribution bat-
tens.

11. A device in accordance with claim 1,
wherein the first and/or the second and/or the third
air distribution batten extend substantially over the
length of the floor in the powder coating booth.

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12. A device in accordance with claim 1,
wherein the first and/or the second and/or the third
air distribution batten are made of plastic material,
preferably PVC, POM or Teflon.

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13. A powder coating booth with cleaning device,
with a first air distribution batten that is arranged
on the floor of the powder coating booth,
with a second air distribution batten that is ar-
15 ranged on a side of the powder coating booth, and
with a suction channel provided with a suction slot,
wherein the first and the second air distribution bat-
ten are provided to blow excess powder in the direc-
tion of the suction slot.

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14. A powder coating booth in accordance with claim 13,
wherein the suction slot is situated between the side
and the floor of the powder coating booth.

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15. A powder coating booth in accordance with claim 13,
with a second suction channel provided with a suction
slot,
wherein the first and the second suction channel ex-
tend along the long side of the powder coating booth.

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16. A powder coating booth in accordance with claim 13,
with an oblique surface that constitutes the transi-

tion between the side and the floor, and wherein the second and/or the third air distribution batten are arranged above the oblique surface.

5 17. A powder coating booth in accordance with claim 16, wherein the oblique surface is provided with a bevelled edge in its lower region and the surface formed by the bevelled edge encloses an acute angle with the floor.

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18. A powder coating booth in accordance with claim 16, wherein the nozzles of the second and/or the third air distribution batten are oriented in such a manner that the airstream that can be produced by the nozzles is oriented substantially parallel to the oblique surface.

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19. A powder coating booth in accordance with claim 13, wherein the first air distribution batten is arranged at the centre of the floor of the powder coating booth.

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20. A powder coating booth in accordance with claim 13, wherein the second air distribution batten is integrated into a side wall of the powder coating booth and constitutes a flush surface therewith.

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21. A powder coating booth in accordance with claim 13, that is designed in such a manner that the airstream produced by the nozzles is smaller than the airstream sucked out of the booth.

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22. A powder coating booth in accordance with claim 13, wherein the first and/or the second suction channel is made of metal, preferable an alloy steel.